Campus Orientation Tour Script

CEBAF Center

- Main Office Building for the site, housing 270 staff and users
- It also houses the main site computer center which is where the physics data is stored
- The CEBAF Center is a 66,000 SF building constructed as part of the original construction project for the CEBAF Accelerator,
- It was originally designed to have 8 wings but was constructed with only 3
- There is currently an ongoing CEBAF Center Addition construction project for 2 more wings. It has been designed to enclose the space between the wings for greater space efficiency

CEBAF Center Addition

- Note that this addition will have 3 floors rather than just the 2 in the original building
- It is also an open modular design to provide natural lighting for the majority of occupants while at the same time providing highly efficient space usage
- This is a 62,000 S.F addition which will almost double the size of the CEBAF Center providing much needed computer center and office space for the Lab.
- The Total Project Cost is $10,940K and the project is scheduled for completion in April, 2006.
- Part of the project scope is removal of a significant number of failing trailers including 2/3 of Trailer City (you have seen or will see Trailer City on the tour).

Residence Facility

- Refer to your site map
- Note the property lines on your map
- The SURA Residence Facility is off to the left. It is on SURA property.
- Rooms in the Residence Facility may be rented by anyone having business at JLab.

Trailer City

- Trailer city was made by connecting about 20 trailers in an interconnected T fashion to create a 28,000 SF contiguous office facility
- It has provided reasonably good office space since the inception of the Lab (it was put together in 1987) but is now deteriorating and becoming expensive to maintain
- As mentioned earlier, 2/3 of it will be removed as part of the CEBAF Center Addition construction project.
- The reason only a portion of Trailer City is being removed is a matter of prioritizing the occupation of the CEBAF Center Addition and removal of other old trailers. There are even higher priorities for removal of trailers such as those on the other side of the Rutherford Road and the trailers south of the test Lab.

VARC

- VARC was originally an acronym for the Virginia Associate Research Campus. Since the construction of the CEBAF accelerator its sole purpose has been to support the CEBAF site; therefore the acronym has in essence become the name of the building
- The VARC building (34,800 S.F) is owned by the Commonwealth of Virginia and leased to DOE for $1/yr.
- The VARC currently houses 75 personnel from a variety of Lab organizations including Facilities Management, Procurement, Finance, ES&H, Medical Services, and Education Outreach.
- There are number of Education Outreach programs that the VARC is used for. One of them that has been going particularly well is the BEAMS (Becoming Enthusiastic About Math and Science) program. This is an outreach program targeted towards Newport News schools with the largest number of at risk students in grades 6 through 8. These schools are showing marked improvement in Standards of Learning test scores in math and science.
- The Medical Services program provides medical monitoring, wellness services, information on work related injuries, first aid, and other limited emergency care.

ARC

- The ARC is owned by the City of Newport News located on VA property and DOE leases a total of 44,300 SF of the building including the top 4 floors of office space; a Document Control Center on the second floor; Library on the first floor; and 15,400 SF of lab space. The office section of the building has 7 floors and the lab section of the building has 3 floors.
- The cost of the lease is $580,000/yr and the lab provides routine maintenance and ES&H advisory services for the building.
- We will enter the building through the Lab area section; view one of the DOE leased labs; and then go up to the 4th floor to see some of the office space.
- Lab 123 is actually leased by William and Mary but largely supports the FEL work her at JLab.
- DOE leases 4 other Labs in this Lab area of the building to support FEL and Accelerator operations.
- The Library is straight ahead as we enter the lobby area of the building
- Office space is leased in this building for the FEL, Accelerator support organizations, Office of Assessment, Physics support organizations, and the Center for Advanced Studies of Accelerators (CASA).

Experimental Equipment Lab

- The EEL is a multi-purpose facility including a high bay area for experimental equipment assembly, office space, small lab space, the site wide shipping and receiving area, the stockroom, and the largest machine shop on site
- We will be entering the building in the high bay area. This area is primarily used to support target assembly for the experimental halls
- Note the 5 ton overhead crane.
- As we enter the high bay area the door immediately to the right leads to second floor offices
- To the right of the high bay area are various clean rooms and lab areas that support the nuclear physics experiment program
- As we leave the high bay area we will walk past additional small lab areas. In general all of the labs in this building support the nuclear physics experiment program.

- The remainder of the building is occupied by Shipping and Receiving, the Stockroom, and the Machine Shop
- We are going out the east side of the building around to the south side of the building to observe the machine shop
- This Machine Shop functions on a work order basis for any activity at JLab.

Test Lab

- Across the road to the south of the Experimental Equipment Lab is the Test Lab
- The Test Lab was originally owned by NASA and called the Space Radiation Effects Laboratory. It was the first facility acquired by DOE when CEBAF was getting started in 1987.
- The 12,000 square foot brick faced attachment on this end of the building was added in 2001.
- The attachment houses various small labs and work areas but also has a machine shop high bay area with a 450 ton press that is primarily used in support of fabricating accelerator cavities
- The Test Lab is even more multifaceted than the EEL, housing office space, high bay assembly areas, cavity and cyomodule production and testing areas, small lab space, offices (pueblo style and regular), and chiller water systems for the accelerator site service buildings and CEBAF Center Addition plus for the Cryogenic Test Facility (cryogenic supply for cryomodule testing)
- We will be entering the Test Lab in the High bay (if Cryomodule Assembly Area, skip to last bullet) area which is largely used for assembly of the large components that support operation of the halls
- Note the 25 ton gantry crane overhead that supports activities in the Test Lab (mention this in Physics high bay area).
- Charlie Reece or Joe Preble will provide more information on activities in the Test Lab (Physics high bay area, Test Cave Control Room, E-Beam Welder, Cryomodule Assembly Area, Test Cave, Cavity Clean Rooms, and Vertical Test Area.